Downloaded from http://mnras.oxfordjournals.org/ at H.E.C. Bibliotheque Myriam & J. Robert Ouimet on June 12, 2015

Observations of Jupiter's Satellites, made at the Stonyhurst Observatory. By the Rev. S. J. Perry.

		4				.		
	Satellite,	Phenomenon.		G.M.T.	Ħ	In excess of N.A.	Observer.	Remarks.
1879. June 4	Н	Ec. D. last seen	ь 14	28 B	s 57.5	s w +0 +7.5	W.C.	Fair, daylight, thin clouds passing.
Sept. 28	ç	Tr. I. external contact	II	55	47.6		33	Good.
		bisection	II	58	2.6			
		int, contact	12	0	36.6			
		Sh I. int. contact	12	42	1.L1		*	Very poor, faint. Very unsteady.
,, 29	£	Oc. D. ext. contact	6	12	2.61			Poor, tremulous, ill defined.
		bisection	6	14	2.4			
		last seen	6	91	22.2			
		Ec. R. first seen	12	13	59.4	9•8 I—		Slightly unsteady, but definition very good.
		full light	12	91	29.4			
Oct. 14	33	Tr. I. bisection	10	0	21.5		6	Difficult, thin clouds, very tremulous.
		Sh. I. bisection	11	0	41.3		, 66	Poor, very tremulous.
		internal contact	II	=	56.4			
		Tr. E. bisection	12	18	52.4		,,	
		external contact	12	21	31.1			
" I5	3	Oc. D. external contact	7	II	39.6		8	
		bisection	7	14	45.6			
		last seen	7	17	2.6			

40.c144P	an.	18	80.		n	naä	le a	t t 7 6	ie S	Ston	vyh	urs	t O	bse	rva	tor	у.				14
1880MNRAS	Very good.		Steady.				Unsteady.			Good; cloudy, tremulous.					Sky vory clear; compared with Satellite II.			Rather indistinct; approximate.	Compared with Satellite I.		
	S.J.P.				£	W.C.	W. McK.			W.C.		W. McK.			S.J.P.			W. McK.	S.J.P.		
	8.3																50.5		32.8		
	Î			ı													1		o I		
	26.2	9.6	54.6	9.02	3.6	79.I	54.8	41.8	39.3	22.4	43.7	6.95	2.11	26.4	57.8	9.11	38.8	39.5	16.2	8.2	1.4.1
	34	36	61	7	H	гO	56	59	6	24	25	47	52	54	23	56	5 0	=	23	25	27
	10	10	II	II	12	12	τC	ιC	9	∞	∞	8	∞	8	6	6	6	11	.un	гO	ιν
	Ec. R. first seen	nearly full light	Tr. E. bisection	external contact	Sh. I. bisection	internal contact	Tr. I. external contact	bisection	internal contact	Sh. I. bisection	internal contact	Tr. E. internal contact	bisection	external contact	Ec. D. half light	quarter light	last seen	Sh. E. bisection	Ec. R. first seen	half light	full light
	H		III		2		II			11		99			ΙΛ			П	:		
			,, 20				" 25												,, 27		

Downloaded from http://mnras.oxfordjournals.org/ at H.E.C. Bibliotheque Myriam & J. Robert Ouimet on June 12, 2015

) H										•		-							
Remarks.	External contact perhaps too early; poor definition; very unsteady.			Rather tremulous.		•	External contact possibly a triffe late; definition good.			Cloud; very poor.	•	Very steady; definition good. Between bisection and disappearance satellite apparently projected on to limb.			Slightly hazy.				
In excess of N.A. Observer.	W. McK.		-	S.J.P.			66			W.C.		S.J.P.							
of N.A.	ıα														8.92				
In excess	Ħ			•											°				
	s 2 1. 5	56.0	2.61	9.51	2.61	46.7	58.0	0.17	0.41	8.1	59.3	27.2	37.5	36.5	49.5	37.5	40.7	48.2	26.0
G.M.T.	33 B	∞	14	29	32	34	15	19	23	14	14	6	12	15	36	39	41	31	35
ئ	n II	Π	II	∞	8	.∞	∞	∞	∞	7	7	Ŋ	, N	5	10	10	10	∞ .	∞
Domomonon	Tr. I.	bisection	internal contact	Tr. I. external contact	bisection	internal contact	Tr. I. external contact	bisection	internal contact	Oc. D. external contact	bisection	Oc. D. external contact	Disection	last seen	Ec. R. first seen	half light	full light	Oc. D. external contact	bisection
7	saremee. III			H			Λ I					П			:			Ш	
	1879.			Nov. 1						. 7	:	" Io	·r		•			,, I4	

.40 ∳a:	n. :	188	0,		mc	uae	at	the	i Di	onį	/hu	rst	Οb	ser	vati	ory	•				147
1880mnras 40				Very unsteady.			Slightly hazy; good. Compared with Sat. II.			Clear, but unsteady, parsing clouds; approx.		Unstrudy.			Good; shadow vory dark.,	Satellite very faint.			Very poor.		
	"			W.C.			66			S.J.P.		W.McK.			W.C.	*			2		
							+0 12.1														
59.0	0.0	13.0	41.0	14.8	50.3	6.0	31.1	16.3	4.I	41.4	53.6	56.2	21.12	40.5	34.5	28.0	21.2	29.5	3.7	50.2	34.2
39	7	01	12 ,	28	30	33	II	12	13	51 4	0	25	28	30	67	54 ,	ž6 ;	59	14	15	17
∞	6	6	6	'n	7.0	rU.	6	6	6	∞	6		7	_	9	9	9	9	∞	8	8
last seen	Oc. D. external contact	bisection	last seen	Oc. D. external contact	bisection	last seen	Ec. R. first seen	half light	full light	Oc. D. external contact	bisection	Oc. D. external contact	bisection	last seen	Sh. I. internal contact	Tr. E. internal contact	bisection	external contact	Sh. E. internal contact	bisection	last seen
	Н									IV		H				*			2		
				", 23						" 27		,, 30			Dec. 1						

1 48		Mr	P	errį	y , ()bs	erve	ıtio	ns	of	Jup	ite	r's	Sat	elli	tes
Remarks. 1880MNRAS40.HJ	Very good, sky not 'very clear; compared with Satellite III.		Misty; definition very bad.		Definition very poor; hazy.								Misty, definition bad. After transit Satellite I.	other satellites were well seen at the time.	Cut off glare of planet, and yet Satellite I.	after transit. Used powers from 100 to 350.
Observer.	S.J.P.				"			\$			W.McK.		S.J.P.			
In excess of N.A.	+0 22.8															
,	13 .8	57.7	3.0	25.2	34.9	3.1	26.0	0.0	26.3	9.8	4.1	36.2	58.8	27		~ {
G.M.T.	36 1	38	44	51	ν.	6	12	28	29	32	36	39	57			
ර් ,	ų.	ĸ	9	9	8	8	8	'n	rυ	Ŋ	9	9	- ∞			
Phenomenon.	Ec. R. first seen	full light	Tr. I. external contact	bisection	Tr. I. external contact	bisection	internal contact	Ec. R. first seen	half light	full light	Tr. I. bisection	internal contact	Tr. E. bisection			
Satellite.	\$		III		П			III			Н		:			
Ċ	1879. Dec. 2				,, 3			9 "			8					

9

external contact